empirica
warehouse management software

Empirica WMS

Advanced WMS for Demanding Operation

Empirica WMS is an advanced warehouse management system to suit any logistics operation. Its format suits single or multi-site operation in own account, shared user or contract logistics activities. It's designed to handle multiple product and storage methods and offer wide configuration options.

Empirica WMS' functionality will support high volume warehouses and DC's with complex handling and valued added processes. It provides a complete, integrated real time solution with excellent visibility, reporting and traceability.

Clear intuitive options are provided to handle receipt, putaway, picking, despatch, stock management and value added activity. All operations can be performed using PC-based systems or wireless devices in real time.

Receiving and Putaway
Empirica WMS handles all receipt types with flexibility. For pre-receipt(ASN), delivery booking and physical receipt, data is captured efficiently leading to immediate putaway instruction. Receipt screens can be configured to suit user, product and (3PL) customer needs.

Order Planning & Picking
Empirica WMS makes order processing easy with flexible options to select and plan orders, and manage pick operations. Advanced features ensure that control and efficiency is maintained throughout wave, load or bulk order picking activity.

Replenishment
Replenishment options to meet the needs of varied pick operation are available, ensuring constant order fulfilment. All options feature simple, secure procedures for control of rotation and traceability.

Stock Management
A full range of stock management features is available to ensure absolute stock accuracy. Options include adjustment, status change, internal and external transfer, stocktaking and real time PI.

Real Time Task Management
Empirica WMS offers a range of wireless-enabled real time task options including standard voice pick routines. The system automates task allocation, job priority and escalation and provides WIP monitoring, problem management and resolution.
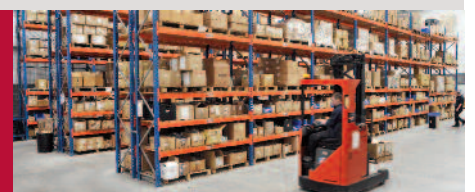
Management Reporting
Extensive standard reporting features are offered including multiple stock and performance reports. Additional report modules are available, including KPI reporting and real time dashboard display. Industry standard tools can also be used for custom reporting.

Third Party Invoicing
Empirica WMS provides advanced third party charge and invoice facilities. These include banded rates, extra charges and sundry invoicing. A printable invoice and movement summary, and invoice audit trail are included.

ERP Itegration
Empirica has built-in integration tools to facilitate rapid creation of data exchange with external IT applications. The module schedules and manages interface messaging as well as providing error diagnostics and a full transmission audit.

Working Solutions for Logistics

Empirica Functionality Specification

SYSTEM CONFIGURATION
- Multi-Co/depot/client
- Warehouse layout by:
  - Store
  - Zone
  - Aisle/block
  - Level

Location controls by:
  - size, weight, volume, ABC
  - media, product mix, pick face
  - exclusion, sequencing, proximity

Product definition by:
  - type, configuration, rotation
  - size, weight, volume
  - media, capacity
  - ABC classification

RECEIVING GOODS
- Receipt advice (ASN) EDI/manual input
- Inward booking diary
- Check sheet/media labels
- PC/RF formattable screen
- Pre-adv & blind receipt
- Auto media label
- Receipt tolerances
- Production receipts
- Cross docking
- Non-stock /pick to zero
- Goods marshal zones

AUTOMATED PUTAWAY PROCESS
- Space allocated by user defined rules:
  - Same prod/rotation
  - Pick location proximity
  - Auto sequence
  - Selected sequence
  - ABC classification
  - Exclusion
  - Grading
- Directed/ad hoc tasks
- Putaway rules by product & status
- Interim location visibility
- Auto QC sampling
- Exception handling

ORDER PLANNING & PICKING
- EDI/manual input
- Multi-order call off
- Single order, wave or load planning
- Multi-criteria order selection
- Order line selection
- Route based load selection
- Demand based pick planning
- Pick time/journey time
- Order in progress view
- Despatch/pick by times
- Weight capacity/drop sequence
- Outward booking diary

DIRECTED PICKING
- Directed/ad hoc RF tasks
- Full media/item pick
- Pre-defined pick rules
  - Dedicated pick face
  - Full pallets in bulk
  - Slow movers
- Single or multi-task allocation
- Consolidate/sort by line, order, outlet
- Bulk/wave/load pick
- Route based pick planning
- Pick exception handling
- Pick weight tolerance
- Secondary/zero pick
- Pick and store facility

PACKING, MARSHALLING, DESPATCH
- Goods/marshal zones
- Multi-option pack desk
- Sorting process
- Load assembly
- Despatch confirm
- Despatch notes, labels and load manifest
- Full load plan visibility
- De-pick/load transfer
- Pick & despatch media traceability
- Carrier despatch system integration

REPLENISHMENT
- Batch replenishment
- Auto replenishment
- Consolidated replenishment
- Pick ex replen. stock
- JIT replenishment audit

RETURNS MANAGEMENT
- Dedicated returns processing
- POD order retention
- Returned goods ASN
- Integrated electronic delivery solution

STOCK MANAGEMENT
- Auto housekeeping
- Internal location moves
- Inter-depot transfer
- Stock adjustment
- Status change
- Third party transfer
- Stock cycle count
- Real time PI
- Stock processing facility to handle:
  - modifying
  - mixing
  - kitting
  - repackaging

MANAGEMENT REPORTING
- Stock & location report
- Operative performance
- Order monitoring
- Receipt/despatch audit
- Movement history
- Supplier/carrier KPI
- Labour targeting & forecasting
- Web reports access
- Dashboard display

WIRELESS TASK MANAGEMENT
- Auto task scheduling
- Priority/proximity rules
- Task priority escalate
- Overdue task alerts
- Central task monitoring
- Problem/action monitoring

ERP INTEGRATION
- Static data upload
- PO/ASN capture
- Receipt match/confirm
- Stock availability
- Sales Order capture
- Pick/despatch confirm
- Adjustment/status
- Stock comparison

MISCELLANEOUS FEATURES
- Cross docking
- QC receipts
- Non stock products
- Batch serial & catch-weight tracking
- Media tracking by serial number
- P&D movement control
- Dynamic pick faces
- Product (sub) kitting
- Inventory valuation
- Product substitution
- Reports auto email
- Multi part SKU code
- Third party charge/bill
- Banded/extra charges
- Packaging waste audit